

TRAFFIC COMMUNICATION SYSTEM

ABSTRACT OF THE DISCLOSURE

Embodiments in accordance with the invention provide communication between
5 vehicles and traffic control devices and/or other vehicles. The communication system
provides for communication of system variables such as: signal setting (e.g.,
red/yellow/green light), signal direction, time to signal change, signal sequence (e.g., next
traffic flow), red light runner alert, signal failure, driver urgency, vehicle presence,
absolute vehicle location, toll collection information, vehicle speed, roadway condition
10 (e.g., ice on bridge surface), traffic impairments (e.g., delay ahead). The communication
system also provides for communication of system variables such as: speed,
acceleration/deceleration, braking, lane change with direction, malfunction (e.g., stall).
The system communicates utilizing wireless optical, acoustic and/or radio frequency
signaling methods.

15